

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7858	((405/150.1,150.2,184.2) or (138/97, 98) or (118/317,323) or (427/230,236) or (239/407,491,583,750,752,753)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/12 21:52
L2	2262	((405/150.1,150.2,184.2) or (138/97, 98)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/12 21:52
L3	5631	((118/317,323) or (427/230,236) or (239/407,491,583,750,752,753)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/12 21:56
S1	1	("4178875").PN.	USPAT; USOCR	OR	OFF	2004/08/19 08:30
S2	515	(405/150.1,150.2,184.2).CCLS.	USPAT; USOCR	OR	OFF	2004/08/19 12:39
S3	14	(US-6776558-\$ or US-6520719-\$ or US-6056017-\$ or US-5803665-\$ or US-5674030-\$ or US-5577864-\$ or US-5558882-\$ or US-5253956-\$ or US-5199463-\$ or US-5049003-\$ or US-5044405-\$ or US-4995761-\$ or US-4955755-\$ or US-4043137-\$).did.	USPAT	OR	OFF	2004/08/18 11:48
S4	0	((US-6776558-\$ or US-6520719-\$ or US-6056017-\$ or US-5803665-\$ or US-5674030-\$ or US-5577864-\$ or US-5558882-\$ or US-5253956-\$ or US-5199463-\$ or US-5049003-\$ or US-5044405-\$ or US-4995761-\$ or US-4955755-\$ or US-4043137-\$).did.) and "137"/\$.ccls.	USPAT	OR	OFF	2004/08/18 11:51
S5	695700	repair\$ liner lining coating	USPAT	OR	ON	2004/08/18 11:52
S6	214316	(repair\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)	USPAT	OR	ON	2004/08/18 11:53
S7	61415	((repair\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)) and (nozzle spray spraying sprayed)	USPAT	OR	ON	2004/08/18 11:53
S8	5596	(((repair\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)) and (nozzle spray spraying sprayed)) and ("405"/\$.ccls. "138"/\$.ccls. "118"/\$.ccls.)	USPAT	OR	ON	2004/08/18 11:55
S9	4243	(((repair\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)) and (nozzle spray spraying sprayed)) and ("405"/\$.ccls. "138"/\$.ccls. "118"/\$.ccls.)) and (rotate rotation rotating rotational angle angled angular swivel twist\$)	USPAT	OR	ON	2004/08/18 11:57

S10	2555	(((((repair\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)) and (nozzle spray spraying sprayed)) and ("405"/\$.ccls. "138"/\$.ccls. "118"/\$.ccls.)) and (rotate rotation rotating rotational angle angled angular swivel twist\$)) and (wheel wheeled wheels roller rollers bearings)	USPAT	OR	ON	2004/08/18 11:58
S11	427	(((((repair\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)) and (nozzle spray spraying sprayed)) and ("405"/\$.ccls. "138"/\$.ccls. "118"/\$.ccls.)) and (rotate rotation rotating rotational angle angled angular swivel twist\$)) and (wheel wheeled wheels roller rollers bearings)) and (chassis carriage sled)	USPAT	OR	ON	2004/08/19 12:40
S12	424	((((((repair\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)) and (nozzle spray spraying sprayed)) and ("405"/\$.ccls. "138"/\$.ccls. "118"/\$.ccls.)) and (rotate rotation rotating rotational angle angled angular swivel twist\$)) and (wheel wheeled wheels roller rollers bearings)) and (chassis carriage sled)) not ((405/150.1,150.2,184.2).CCLS.)	USPAT	OR	ON	2004/08/18 11:59
S13	1308	(138/97,98).CCLS.	USPAT; USOCR	OR	OFF	2004/08/18 13:20
S14	1172	((138/97,98).CCLS.) not (((405/150.1, 150.2,184.2).CCLS.) ((((((repair\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)) and (nozzle spray spraying sprayed)) and ("405"/\$.ccls. "138"/\$.ccls. "118"/\$.ccls.)) and (rotate rotation rotating rotational angle angled angular swivel twist\$)) and (wheel wheeled wheels roller rollers bearings)) and (chassis carriage sled)) not ((405/150.1,150.2, 184.2).CCLS.))	USPAT	OR	OFF	2004/08/18 13:21
S15	302	((spray\$ near5 nozzle) same "needle valve"	USPAT	OR	OFF	2004/08/18 18:56
S16	335	((spray\$ near5 nozzle) same "needle valve"	USPAT	OR	ON	2004/08/18 19:12
S17	97	((spray\$ near5 nozzle) same "needle valve") and (mix mixing)	USPAT	OR	ON	2004/08/18 18:56
S18	12	((spray\$ near5 nozzle) same "needle valve") and polyurethane	USPAT	OR	ON	2004/08/18 19:30

S19	5	(lever same axle same counterweight) and nozzle	USPAT	OR	ON	2004/08/18 19:30
S20	831	nozzle same mix\$ same (pressure near5 regulat\$)	USPAT	OR	ON	2004/08/19 08:32
S21	3	"pressure loss regulator"	USPAT	OR	ON	2004/08/19 10:08
S22	25765	"pressure regulator"	USPAT	OR	ON	2004/08/19 10:08
S23	1320	"pressure regulator" same (spray\$ eject\$)	USPAT	OR	ON	2004/08/19 10:19
S24	0	("pressure regulator" same (spray\$ eject\$)) and polyurthane	USPAT	OR	ON	2004/08/19 10:20
S25	81	("pressure regulator" same (spray\$ eject\$)) and polyurethane	USPAT	OR	ON	2004/08/19 11:17
S26	88	"needle valve" and (spray sprayed spraying sprayer) and polyurethane and mixing	USPAT	OR	ON	2004/08/19 11:26
S27	1	("5462204").PN.	USPAT; USOCR	OR	OFF	2004/08/19 11:26
S28	24	(nozzle same mix\$ same (pressure near5 regulat\$)) and "118"/\$.ccls.	USPAT	OR	ON	2004/08/19 11:54
S29	427	((((((repair\$ rehabilitat\$ liner lining coating) and (pipe pipeline piping tunnel shaft conduit duct)) and (nozzle spray spraying sprayed)) and ("405"/\$.ccls. "138"/\$.ccls. "118"/\$.ccls.)) and (rotate rotation rotating rotational angle angled angular swivel twist\$)) and (wheel wheeled wheels roller rollers bearings)) and (chassis carriage sled)	USPAT	OR	ON	2004/08/19 12:47
S30	97813	"405"/\$.ccls. "138"/\$.ccls. "118"/\$.ccls.	USPAT	OR	ON	2004/08/19 13:07
S31	0	("405"/\$.ccls. "138"/\$.ccls. "118"/\$.ccls.) and "crank axle" and "crank (lever arm)"	USPAT	OR	ON	2004/08/19 12:52
S32	0	("405"/\$.ccls. "138"/\$.ccls. "118"/\$.ccls.) and "crank axle" and ("crank lever" or "crank arm")	USPAT	OR	ON	2004/08/19 12:53
S33	765	("405"/\$.ccls. "138"/\$.ccls. "118"/\$.ccls.) and axle and (lever or arm)	USPAT	OR	ON	2004/08/19 12:53
S34	330	("405"/\$.ccls. "138"/\$.ccls. "118"/\$.ccls.) and (axle same (lever or arm))	USPAT	OR	ON	2004/08/19 12:54
S35	37	((("405"/\$.ccls. "138"/\$.ccls. "118"/\$.ccls.) and (axle same (lever or arm))) and (tunnel pipe pipeline conduit duct) and (lining liner lined))	USPAT	OR	ON	2004/08/19 12:55

S36	13	((("405"/\$.ccls. "138"/\$.ccls. "118"/\$.ccls.) and (axle same (lever or arm))) and (tunnel pipe pipeline conduit duct) and (lining liner lined)) and spray\$	USPAT	OR	OFF	2004/08/19 13:01
S37	8901	("405"/\$.ccls. "138"/\$.ccls. "118"/\$.ccls.) and spray\$	USPAT	OR	OFF	2004/08/19 13:07
S38	485	((("405"/\$.ccls. "138"/\$.ccls. "118"/\$.ccls.) and spray\$) and helical	USPAT	OR	OFF	2004/08/19 13:07
S39	249	((("405"/\$.ccls. "138"/\$.ccls. "118"/\$.ccls.) and spray\$) and helical) and (helical same (coat\$ spray\$ appli\$ apply))	USPAT	OR	OFF	2004/08/19 16:12
S40	22332	((nozzle head) same (retract\$ exten\$ displac\$)) and spray\$ and (pipe pipeline duct tunnel conduit)	USPAT	OR	ON	2004/08/19 16:15
S41	1499	((nozzle head) same (retract\$ exten\$ displac\$)) and spray\$ and (pipe pipeline duct tunnel conduit)) and ("405"/\$.ccls. "118"/\$.ccls.)	USPAT	OR	ON	2004/08/19 16:16
S42	8957	((nozzle head) same (retract\$ exten\$ displac\$)) and spray\$ and (pipe pipeline duct tunnel conduit)) and (piston cylinder)	USPAT	OR	ON	2004/08/19 16:16
S43	617	(((nozzle head) same (retract\$ exten\$ displac\$)) and spray\$ and (pipe pipeline duct tunnel conduit)) and (piston cylinder)) and ("405"/\$.ccls. "118"/\$.ccls.)	USPAT	OR	ON	2004/08/19 16:57
S44	981	atomizer.ab.	USPAT	OR	OFF	2004/08/19 16:57
S45	1046	atomizer.ab.	USPAT	OR	ON	2004/08/19 16:58
S46	156	atomizer.ab. and (retract\$ exten\$ displac\$).ab.	USPAT	OR	ON	2004/08/19 16:59
S47	2	atomizer.ab. and drawer	USPAT	OR	ON	2004/08/19 17:29
S48	1092	atomizer.ti.	USPAT	OR	ON	2004/08/19 17:43